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> We propose incorporating a production rules facility into a relational database
> system. Such a facility allows definition of database operations that are automatically
> executed whenever certain conditions are met. In keeping with the set-oriented
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S. Gorn
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characters in the Code. The manner of use of these characters has not previously
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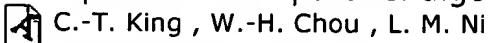
C.-T. King , W.-H. Chou , L. M. Ni
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> A new paradigm, called large-grain pipelining, for developing efficient parallel algorithms on distributed-memory multiprocessors, e.g., hypercube machines, is introduced. Large-grain pipelining attempts to maximize the degree of overlapping and minimize the effect of communication overhead in a multiprocessor system through macro-pipelining between the nodes. Algorithms developed through large-grain pipelining to perform matrix multiplication are presented. To model the pi ...

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H. T. Kung
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> Warp is a programmable, systolic array computer developed by Carnegie Mellon and produced by GE. A 10-cell Warp machine can perform 100 million floating-point operations per second (10 MFLOPS). A variety of applications have been mapped onto Warp. The experience has been that the mapping is not a real problem; in fact, usually near-optimal mapping is relatively easy to obtain, and the actual implementation of the mapping on the machine can often be automated. This paper explains why this is ...

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C.-T. King , W.-H. Chou , L. M. Ni
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> A new style of efficient parallel algorithms on distributed-memory multiprocessors is introduced, which exploits parallelism through pipelined parallel computation, or large-grain pipelining. By using macro-pipelining between nodes in the system, large-grain pipelining regulates the flows of data in the multiprocessor so that the

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4 Automatic data layout for distributed-memory machines   100%
Ken Kennedy , Ulrich Kremer
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> The goal of languages like Fortran D or High Performance Fortran (HPF) is to provide
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S. Lennart Johnsson

ACM Transactions on Mathematical Software (TOMS) September 1985
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Vaidehi, V.; Krishnan, C.N.;
Aerospace and Electronic Systems, IEEE Transactions on , Volume: 34 , Issue 2 , April 1998
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Sridhar, U.; Basu, A.;
Parallel Processing Symposium, 1993., Proceedings of Seventh International , 16 April 1993
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Computers, IEEE Transactions on , Volume: 40 , Issue: 6 , June 1991
Pages:706 - 713

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Chih-Hsien Hsu; Shyue-Kung Lu; Sy-Yen Kuo;
Dependable Computing, 2001. Proceedings. 2001 Pacific Rim International Symposium on , 17-19 Dec. 2001
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on , 23-25 Jan. 1990
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[Abstract]   [PDF Full-Text (840 KB)]   IEEE CNF

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6 **Processing reporting function views in a data warehouse environm(**
Lehner, W.; Hummer, W.; Schlesinger, L.;
Data Engineering, 2002. Proceedings. 18th International Conference on , 26 I
March 2002
Pages:176 - 185

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7 **Reduced-order realization of a nonlinear power network using
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Noda, T.; Semlyen, A.; Iravani, R.;
Power Delivery, IEEE Transactions on , Volume: 18 , Issue: 4 , Oct. 2003
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8 **A register file with transposed access mode**
Yoochang Jung; Berg, S.G.; Donglok Kim; Yongmin Kim;
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Sept. 2000
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9 **New partitioning schemes for parallel modified Gram-Schmidt
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Third International Symposium on , 18-20 Dec. 1997
Pages:233 - 239

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10 **Fast parallel algorithms for solving triangular systems of linear
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Ibarra, O.H.; Kim, M.H.;
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May 1991
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11 **A 30M samples/s programmable filter processor**

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Solid-State Circuits Conference, 1990. Digest of Technical Papers. 37th ISSC(
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Pages:117 - 117, 276

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12 **An efficient VLSI switch-box router**
Jer Min Jou; Jau Yien Lee; Yachyang Sun; Jhing Fa Wang;
Design & Test of Computers, IEEE , Volume: 7 , Issue: 4 , Aug. 1990
Pages:52 - 65

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13 **Yield analysis for repairable embedded memories**
Sehgal, A.; Dubey, A.; Marinissen, E.J.; Wouters, C.; Vranken, H.; Chakrabar K.;
European Test Workshop, 2003. Proceedings. The Eighth IEEE , 25-28 May 2(
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14 **Efficient solution of GSPNs using canonical matrix diagrams**
Miner, A.S.;
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on , 11-14 Sept. 2001
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set numbers**
Evans, R.P.; Sooyong Park; Merriman, M.;
Engineering of Complex Computer Systems, 1995. Held jointly with 5th CSES
3rd IEEE RTAW and 20th IFAC/IFIP WRTP, Proceedings., First IEEE Internatio
Conference on , 6-10 Nov. 1995
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   ACM Transactions on Mathematical Software (TOMS) September 1998
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   > The level 3 Basic Linear Algebra Subprograms (BLAS) are designed to perform various
   > matrix multiply and triangular system solving computations. Due to the complex
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   Peter A. W. Lewis
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   **ACM SIGPLAN Notices , Proceedings of the ninth annual conference on Object-
   oriented programming systems, language, and applications** October 1994

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Volume 29 Issue 10
> Scientific applications often manipulate very large sets of persistent data. Over the past decade, advances in disk storage device performance have consistently been outpaced by advances in the performance of the rest of the computer system. As a result, many scientific applications have become I/O-bound, i.e. their run-times are dominated by the time spent performing I/O operations. Consequently, the performance of I/O operations has become critical for high performance in these applicatio ...

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environment with an incremental C++ compiler
Michael Karasick
ACM SIGSOFT Software Engineering Notes , Proceedings of the 6th ACM SIGSOFT international symposium on Foundations of software engineering November 1998
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5 A Functional Description of ANALYZE: A Computer-Assisted Analysis   95%
System for Linear Programming Models
Harvey Greenberg
ACM Transactions on Mathematical Software (TOMS) March 1983
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Amitava Datta , Prabhaker Mateti
Proceedings of the 1993 ACM/SIGAPP symposium on Applied computing: states of the art and practice March 1993

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